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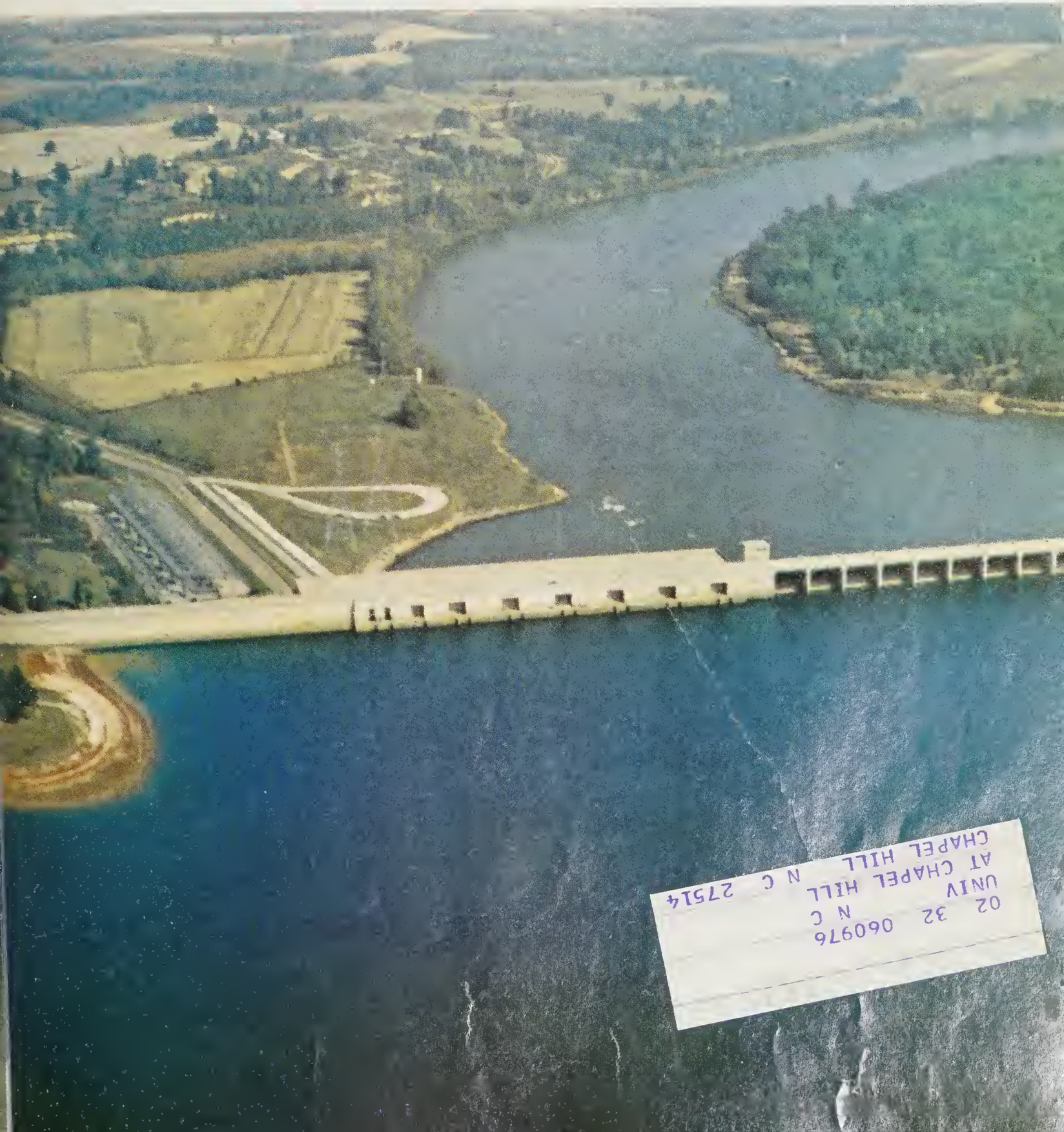
The CAROLINA FARMER

SEPTEMBER, 1967



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The CAROLINA FARMER

Vol. 22. No. 9, September, 1967

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COVER—The John H. Kerr Reservoir and Dam project on the Roanoke River north of Henderson is a land and water testimonial to the wisdom of optimum river development. Designed and built as a public flood control and hydroelectric project, it has paid and is paying extra dividends in the expansion of the area's economy. U. S. Corps of Engineers photo.

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THE CAROLINA FARMER IS PUBLISHED MONTHLY BY TARHEEL ELECTRIC MEMBERSHIP ASSOCIATION, INC. SECOND CLASS POSTAGE PAID AT MEMPHIS, TENN. 38118. EDITORIAL OFFICES, SUITE 911, BRANCH BANK BUILDING, RALEIGH, N. C. 27602. POSTMASTER, SEND FORM 3579 TO BOX 1699, RALEIGH, N. C. 27602. SUBSCRIPTION PRICE 66 CENTS PER YEAR. PUBLISHED MONTHLY AT 3781 LAMAR AVE., MEMPHIS, TENN 38118. CONTENTS COPYRIGHTED 1967 BY TARHEEL ELECTRIC MEMBERSHIP ASSOCIATION, INC.

A Way for Rural Progress

If you have traveled around the country lately you have seen the evidence.

Towns and cities are spreading out. The empty spaces between them are building up. The urban mood is growing. Urban influences are spreading. The urban voice is becoming stronger in our forums.

Change is working in the countryside, not only in our state but throughout our nation, and if rural people hope to keep pace with change, we must adjust to it.

It is no longer enough for rural people to send to Congress representatives who can be counted on to speak for agriculture. We must learn there are broader issues, and we must learn to fit ourselves and our legislative objectives into the new patterns of urbanized politics.

The fate of the Electric Bank bill with its system of supplemental financing for electric cooperatives shows only too clearly we must find new friends in Congress and in public affairs. The traditional alignments are losing strength.

We must find new strength among our counterparts in the cities. We must affiliate our causes with those of urban consumers and working people like ourselves.

We must work throughout the country to elect Congressmen able to attract support for rural legislation by giving in turn support for legislation which serves people generally. We must come to recognize that effective representatives are those who are not afraid to be labeled *liberal* when *liberal* stands for the public good.

We must support candidates who can and will speak effectively for the kind of political philosophy that programs like the rural electric cooperative program embody. We must form new alliances of rural people and urban people together for everybody's progress.

We must or the wave of reaction growing in the nation will engulf it and us and our programs as well.

Jim Chaney

Something for Everyone at the Fair

Every year the State Fair's promoters tell you it's bigger and better. That may be only hyperbole but thousands of North Carolinians keep going back year after year in ever increasing numbers as if they might never get to see it all again. There are new acts and new features this year but there'll still be all the happy old confusion, tired adult feet and excited children.

◆ ◆ ◆ ◆ ◆

Mark a fat red line around the week of Oct. 9-14 on your calendar. That's the week for the 1967 State Fair. It will be a fair with something for everybody.

The 1967 program will feature a big parade through downtown Raleigh on Monday, Oct. 9, a musical show that night, a rodeo in the Arena, horse shows throughout the week, an even more exciting grandstand show than usual and an enlarged midway with several new shows and rides.

The native wildlife zoo will be enlarged and so will the popular children's barnyard. The horse shows will give fair-goers the opportunity to see the best in Morgans, Arabians, Quarterhorses, Thoroughbreds, Tennessee Walking Horses and other breeds.

The Jack Kochman auto daredevils will be back, and a world champion tree-climber and timber-topper will perform atop a 110-foot pole.

For the more serious-minded, there'll be many educational and agricultural exhibits. The amateur handicraft show will be greatly expanded, with many more classifications and more prize money for the many North Carolina women who regularly participate.

The garden and flower show also will be expanded. It will be presented by the Wake County Men's Horticulture Club and set up in a large new plastic greenhouse.

The food show will be approximately doubled. Featuring foods and food products ranging from dairy and poultry to truck and seafood products, it displays what can be harvested and processed succesfully in North Carolina.

In addition to the horse shows there will be an area Holstein-Friesian show with herds from states and counties from Maryland to Florida.

Dougald Coxe, the State Fair public relations director, says you could go on and on listing the ways the 1967 Fair will be bigger and better. But the best way to enjoy the new features and share the excitement, he says, is to come to the Fair and see it all yourself.

The State Fair was founded in 1854 and was operated for many years by the old North Carolina Agriculture Society. The Society turned it over to the State Agriculture Department in 1937. Since then, the Fair has grown to be one of the best known and most successful in North America. It ranks now among the top 20 agriculture fairs in the United States and Canada.

Jim Chaney

TARHEEL RURAL LINES

reports on events of importance to rural electric co-op members/by J. C. Brown Jr.

Committee Kills Butchered REA Bill; FPC Drafts Reliability Legislation

THE HOUSE RULES COMMITTEE killed the badly-butchered REA bank bill on August 1, oddly enough satisfying both power companies and most rural electric systems. The bill began as an effort of the rural electric systems to assure adequate financing to meet the future power needs of their members, and at the same time phasing out dependence upon federal financing..As it left the House Agriculture Committee on its way to the Rules Committee, it looked more like a power company bill to phase out rural electrification.

POWER COMPANIES AGAINST RELIABILITY ACT

WHEN YOU PULL THE LIGHT CORD and the light doesn't come on, you change the bulb. If that doesn't work, you call the cooperative or power company. One day next year, chances are not remote that when you call (if you still have telephone service), the sweet voice on the line will tell you, "Sorry, we ran out of power."

To help make sure you don't run out of power, the Federal Power Commission took an unbiased look at the cause of the recent power failures in the northeastern United States (which extends at least as far south as Washington) and determined that we are at the critical stage on reserve line capacity—a sad situation which was created partly by the power companies insistence on monopolizing the generation and transmission of power. Regardless of the millions of dollars the power companies have spent telling the public how "ready, willing, and able" they are to take care of all our power needs, they just haven't spent enough doing the job.

Like the song says, "If you're in love, show me!" and the Federal Power Commission set about to give those in the power business a chance to back up their professed love for the public. It drafted legislation known as the Electric Reliability Bill. It would establish regional commissions to establish plans that would try to make sure that if a humingbird flies into a transformer in New York, it won't knock out electricity throughout the Eastern Seaboard. Cooperatives took a look at the bill and liked it. The National Rural Electric Cooperative Association in late July put its approval on it, asking that the bill be improved to assure adequate consumer representation. The fear is that if only the power companies are represented on the commissions, the 20 million people dependent on rural electric cooperatives will be forgotten when the plans are made, just as they were in the 1930's. Unless the cooperatives and municipals have an effective voice on the commissions, their consumers may end up like us Depression kids: on alternate Saturdays one would go to the movies and come home and tell the rest how much fun it was. Want to guess who is against the Electric Reliability Bill? It's so obvious I'm not going to tell you; but if you want to know who your congressman and senators really represent, watch their vote on this one if it gets that far. In the meanwhile, shoo the hummingbirds out of the transformers.

River Development in North Carolina

A View of Progress From an Engineer's Viewpoint

If there still are people who oppose public river development, Kerr Dam stands as concrete evidence refuting their objections. It not only is paying off in its purposes; it is paying extra dividends as well. Here, in an authoritative special article, Major Leon E. McKinney, deputy district engineer for the Wilmington District, U.S. Army Corps of Engineers, tells the Kerr Dam story and reports on other projects in our state.

By Leon E. McKinney

There stands astride the Roanoke River a mighty titan in concrete, anchored on either end by promontories of solid granite -- a monument to man's eternal effort to tame the forces of nature and enrich his environment.

The John H. Kerr Dam and Reservoir is the key flood control project in the Roanoke River Basin, and its completion in 1953 culminated efforts initiated by the Congress in 1927 to control the Roanoke River. The Roanoke, one of four major river basins within the Wilmington U. S. Army Engineer District, rises in the mountains of Southwest Virginia and winds a tortuous course across the Piedmont and Coastal Plain regions, finally emptying into Albemarle Sound in North Carolina.

Congress first directed the Army Corps of Engineers to study the Roanoke River and its tributaries 40 years ago. In 1934, the Corps' report, a comprehensive plan of development, was submitted to the Congress. However, no funds were authorized for the design and construction. Then in 1940, between August 10 and August 17, nature intervened on a massive scale.

Flooded Into Action

The aftermath of a tropical hurricane swept up the Roanoke basin, causing a tremendous rainfall, with up to 17 inches of rain being recorded. This caused a disastrous flood on the Roanoke, Smith, Staunton, and Dan rivers. At Weldon, North Carolina, for example, the Roanoke rose to 58 feet, or over 27 feet above flood level. In the span of just a few days, farmers saw their labors of a year carried downstream. Manufacturers saw their plants devastated, and thousands of people were out of work, with thousands more left destitute. Physical damage to crops and industrial plants totalled more than $5 million, with additional economic losses to the people of many additional millions of dollars. There was no way of measuring the human suffering.

A Campaign Is Launched

This spurred citizens to organize the Roanoke River Flood Control Committee at a meeting called by Judge W. H. S. Burgwyn of Woodland, North Carolina. This group of North Carolinians, serving voluntarily, was successful in having authorized a re-survey for flood control in the Roanoke Basin. Since many Virginians were also interested, a new organization, the Roanoke River Basin Association, evolved. The Corps of Engineers completed their re-survey and presented to Congress a comprehensive plan for water resources development which called for the construction of 11 dams in the basin. Of this number, four have been constructed by private power companies, and two—Philpott and John H. Kerr—have been constructed by the Corps of Engineers.

The John H. Kerr Dam and Reservoir, originally known as the Buggs Island Project and later renamed after the late Congressman Kerr who labored so diligently for its construction, cost $88 million to complete. The annual benefits accruing from Kerr, however, exceed the annual costs, as must be the case for any Corps of Engineers civil works project.

In fact, for every dollar of cost, one dollar and twenty cents of benefits is realized by Kerr, based only on revenue from power and flood damages prevented. Recreational and other benefits which are now included in project studies, were not included for Kerr. Of the total cost of $88 million, $73 million was for the powerhouse and its auxiliary equipment.

Since completion, revenue from power has totalled almost $55 million, of which over half has been applied to paying for the initial Federal investment. The powerhouse is capable of generating a total of 204,000 kilowatts of electricity, and its average annual output is 438 million kilowatt-hours. The dam consists of a 2,785-feet long concrete section, 144 feet high, and is capable of storing water, which if not stored, would cover the entire 7,800 square miles of watershed above the dam to a dept of three inches.

A Significant Attraction

Of significant interest to the more than 2.5 million people who visited Kerr Lake last year is the 800 miles of shoreline around the lake, as well as the water itself. All types of water-related activities are available, including boating, swimming, water-sking, sailing, fishing, hunting and camping. The well-kept grounds also afford beautiful scenery to one who just plain wants to relax and commune with nature. As is customary, the project design includes a master, or long-range, plan for recreational development. At Kerr Lake, there is presently a high degree of development by the Corps of Engineers, the State of North Carolina, the Commonwealth of Virginia, Mecklenburg County and Clarksville.

With these several agencies involved, it would be natural for a person to wonder if the development of Kerr Lake might turn into a helter-skelter nightmare which would detract from the natural beauty of the area. Such is not the

Thousands have enjoyed Kerr Lake since the big Roanoke River flood control and hyaroelectric project was completed.

case, for all of the agencies adhere to the Army Engineers' master plan.

Visitors to Kerr may use facilities at Staunton River State Park, operated by the Commonwealth of Virginia, or Occoneechee Park on U.S. Highway 58, one mile east of Clarksville. This area was developed jointly by the Corps of Engineers and the Buggs Island Park Authority, and is now operated and maintained by the Park Authority. In additional, there are under lease seven marinas and concessions around the lake.

All for Enjoyment

The State of North Carolina, through its Kerr Reservoir Development Commission, has highly developed six areas - these are Kimball Point Recreation Area, Bullocksville Park, Flemingtown Road Marina, Satterwhite Park and Marina, Nutbush Bridge Recreation Area, and County Line Park. Finally, the Corps of Engineers, the major developer of recreation areas at Kerr Lake, has developed a total of 10 recreation areas, and has completed numerous access points around the lake.

Colonel Beverly C. Snow, Jr., Wilmington District Engineer, said that visitors will find that his staff and the other agencies' personnel are prepared to offer any and every assistance to make a visit to Kerr Lake as enjoyable and pleasant as possible.

Colonel Snow also commented that many of the people of North Carolina, particularly those in the Cape Fear River Basin, might not be aware that similar recreational opportunities are, figuratively speaking, just around the corner.

New Hope Dam and Reservoir will be under construction this summer, and could be completed as early as 1971. Two other projects, Randleman and Howards Mill, are being reviewed by the Engineers in Washington now, and could be authorized this year. Then, the Upper Cape Fear Basin is currently being jointly studied by the Soil Conservation Service and the Corps of Engineers to determine what is required for the development of this section's water resources.

On the other side of Raleigh from the New Hope project will be the Falls Dam and Reservoir in the Neuse River Basin, a project currently being designed. This is, like Kerr in the Roanoke Basin and New Hope in the Cape Fear Basin, the key project in the Neuse Basin. Others have been found feasible in the Wilmington Engineer District's comprehensive plan of development for the Neuse Basin. Finally, the Corps of Engineers is in the final stages of completing its comprehensive plan, at the direction of Congress, for the Tar River Basin.

A Land of Lakes

This is a story about John H. Kerr, but the Kerr story also is an example of recreation, flood control, fish and wildlife preservation, conservation and other benefits, such as power, water supply, water quality control -- and economic benefits for the area -- all of which but power will be repeated again and again as the future unfolds.

North Carolina, a leader in developing its water resources, and the Corps of Engineers in its task of total environmental engineering, may together cause North Carolina to become known as the land-of-many-lakes.

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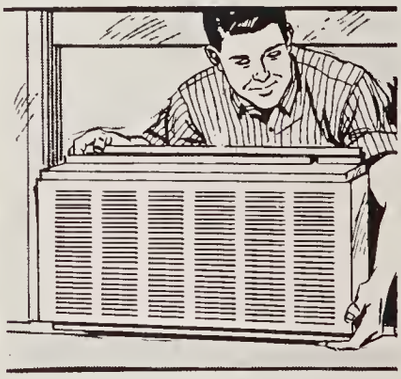

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A Summing-Up of the Longest Session

As the 1967 General Assembly moved towards adjournment, The Carolina Farmer *prepared for an appraisal of the session. Questionaires were sent to Lieut. Gov. Robert Scott and Speaker of the House David Britt. As presiding officers of the Senate and House, they were in positions to gauge daily the ebb and flow of legislative tides and to judge weaknesses and accomplishments. Their answers and comments as set forth here present a summing-up of a General Assembly which will be talked of and mulled over for years to come.*

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What was the most significant thing about the 1967 General Assembly? Was it conservative, liberal or middle-of-the-road? What will it be remembered for?

The questions were put to two North Carolinians well qualified to answer.

Lieut. Gov. Robert W. Scott, who served through the longest session on record as president of the Senate, and Rep. David M. Britt, who was Speaker of the House, replied that the 1967 General Assembly will be remembered as a legislature that wrestled long and hard with complex and often controversial issues.

"It was not a foot-dragging, do-nothing legislature," Scott said. "Its members worked hard and earnestly. The pressures were great."

It was a long session, he said, because it dealt with so many controversial issues, which brought on many public hearings, a heavier volume of mail and more floor and committee debate than was normal, with the result that the session's work took more time.

Complexity Took Time

Moveover, Scott added, many major bills were highly technical. These, he pointed out, dealt with water use laws, air and water pollution, a uniform commercial code and court reform. The complexity of such legislation called for more research, testimony by expert witnesses and more hearings.

Speaker Britt, who resigned at session-end to become a judge, said that to him the most significant thing about the 1967 Legislature was that "it faced up to its responsibility in every area."

"Not only did this session have the usual biennial problems," he said, "but it also had many additional difficult problems to deal with. Among these additional problems were redrawing Congressional (district) lines and reviewing alcoholic beverage laws. This General Assembly met the problems 'head-on' and provided what I believe were good answers to all the problems."

As to what label the session might bear, Scott replied, "Middle-of-the-road, leaning slightly to conservative." Britt said he believed "progressive" would fit best. "It is true," he said, "that the Assembly was liberal in a few instances, but it was very careful in making fundamental changes in many other areas."

Scott listed among the chief measures approved bills establishing a new Appellate Court, realigning congressional districts, setting up jury reforms, covering water use and air and water pollution laws, permitting "brown-bagging" for ABC liquor, making tax adjustments, setting up model abortion laws and reforming the prisons system under a new Department of Corrections. Topping all of these, he added, there was, "of course, the Budget."

Some Things Failed

Among the things the session failed to do, despite an intense campaign to persuade it to, was to give independent university status to East Carolina College at Greenville. It did, however, designate East Carolina, A & T College of Greensboro, Western Carolina College at Cullowhee and Appalachian State College at Boone "regional" universities.

Strong attempts were made to pass new highway safety and motor vehicle control measures, to win approval for twin trailer truck units and to allow the sale of liquor by the drink. All failed in the final counting but the twin trailer bill very nearly made it.

A Matter of Money

The Appropriations bill struck Britt as the biggest single measure handled.

"I would say," he replied in the questionnaire, "that the adoption of a 2.7 billion dollar budget was the most notable measure. When the Appropriations and Finance Committees settled down to making final decisions, the Appropriations Committees had before them requests exceeding estimated revenues by 200 million dollars, and the Finance Committees had revenue-reducing bills before them that would take away approximately 150 million dollars of revenue estimated under the existing tax structure.

"The Appropriations Committees managed to make recommendations within the revenue estimates and the Finance Committees managed to protect the State's sources of revenue to provide the funds recommended for Appropriations. It is true that all people were not satisfied with the recommendations of either of the committees, but I highly praise the work of both groups."

An Agonizing Process

In an overall look at the Session's work, Britt gave this synopsis:

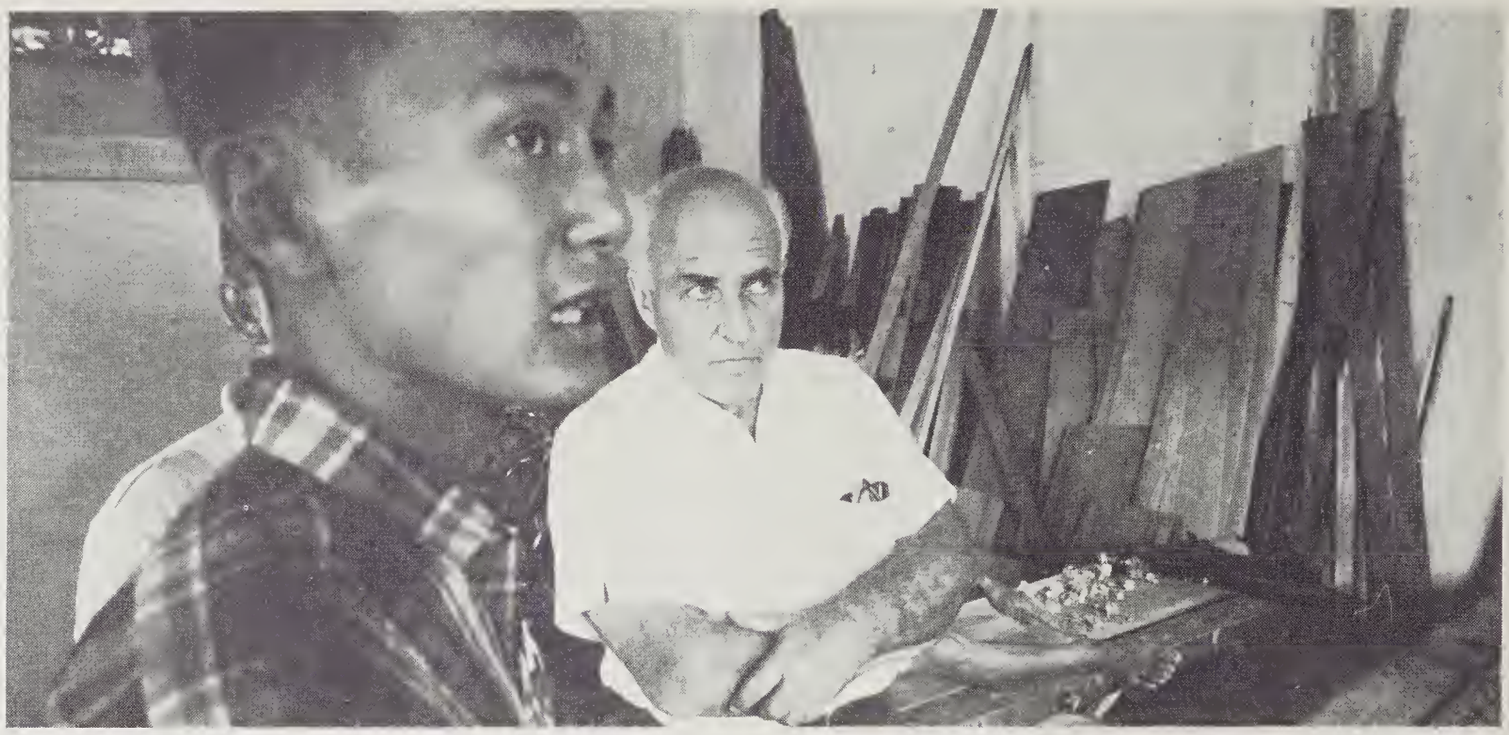
"This General Assembly took forward steps to protect the natural resources of our State, particularly in the vital area of water. The Assembly followed very closely the considered recommendations of study commissions on this subject, and this should mean much to all of our State in years to come.

"The 1967 session enacted further measures that will improve the administration of justice in North Carolina. Not the least of these is the measure that removes all exemptions from jury duty and will now require that all citizens of our state over 21 years of age are subject to call to perform jury service.

"For the third time in six years," he said, "our General Assembly was called upon to draw new lines for our Congressional districts. Although this is an agonizing and difficult process, the Assembly met its responsibility and drew district lines that should meet the approval of any court.

"It is difficult," he reported in conclusion, "to foresee what the 1967 General Assembly will be remembered for. If it is judged correctly, it will be remembered as a session that recognized the problems and needs of our State and moved boldly to solve these problems and meet these needs to the extent of available resources."

Jim Chaney



Powers Luse, chief of the NRECA program in Vietnam, inspects a cabinet shop which may soon be able to use power tools.

Cooperative Electricity for Vietnam

America's efforts in aid of South Vietnam touch every phase of the troubled country's precarious existence. Even as the war rages, American civilians are working with the plain people of Vietnam to bring electricity to Vietnam communities. They're doing it as it's done in America, cooperatively, through groups like our EMC's. This report first appeared in Rural Virginia. It is reprinted through the courtesy of Virginia magazine's Editor Fletcher Cox, Jr.

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Rural electrification is coming to Vietnam. It can't happen soon enough for approximately 42,500 families who will become members of three recently founded cooperatives in the war-torn country. To these people, who rely on oil lamps for light and who generate power by the use of strong arms and legs, the prospect of electric power is an exciting one.

Vietnam baby enjoys an outdoor bath.

Already one hamlet near Dalat, 174 miles north of Saigon, has been energized, while another hamlet nearby is currently being wired for electricity. Only the delayed completion of a pole-treating plant is preventing the electrification of other hamlets whose inhabitants have already joined into cooperative associations. So far, there are 19,950 paid-up members.

A Cooperative Venture

The idea of taking electric power to a pre-selected group of Vietnamese families was discussed in 1965, when President Johnson promised that the U. S. government would help complete an electrification program. The National Rural Electric Cooperative Association (NRECA) had formulated plans for such a program following arrival of its representatives in Vietnam in 1965.

Under the NRECA plan, carried out under a non-profit contract with the Agency for International Development (AID), three distribution cooperatives were formed in Vietnam.

The largest cooperative has been established approximately 90 miles south of Saigon, at Long Xuyen, where 25,000 families will benefit from the new electric power. As there is no ready source of electricity at Long Xuyen, two 1500 kw generators are now being installed. The generators were shipped to Saigon, loaded into trucks, and taken by convoy along a Viet Cong-controlled highway to their destination.

A second cooperative has been established at Tuyen Duc, a vegetable-growing area north of Saigon. In addition to hundreds of small farms, a large tea plantation is located at Tuyen Duc, where approximately 10,000 families and associated industries will receive electric power.

A third cooperative is located only 20 miles northeast of Saigon on Highway One. This cooperative has been set up in the Duc Tu district, only a few miles from the giant new American military base of Long Binh.

Delayed By Poles

Duc Tu is composed of 16 hamlets in which approximately 7,000 families will eventually have electric power. According to the cooperative advisor, Louie E. Sansing, a former co-op manager from Hamburg, Arkansas, the only thing holding up electrification is the lack of poles.

Wor orphons smile for o photographer; their orphonoge is to get electricity from one of the Vietnomese cooperotives.

"These people are really anxious and they keep asking why the delay," Sansing said. His job is to keep in touch with the board members, help advise the cooperative, and act as liaison between the various interested parties.

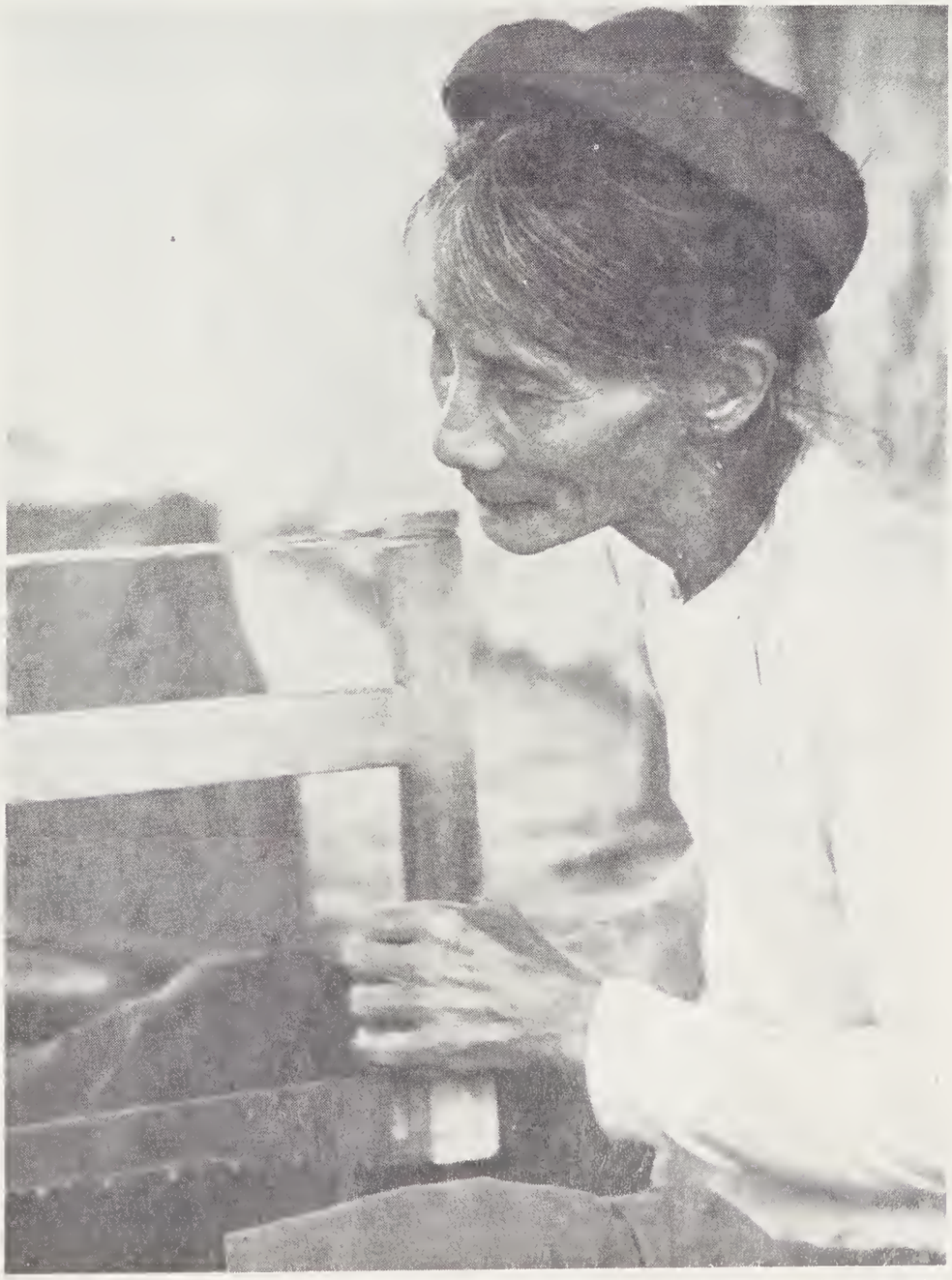
As cement poles are too expensive for use in Vietnam, a pole-treating plant has been shipped from the United States and should be ready for use sometime later this fall. There is plenty of good timber available in Vietnam, and the poles can be treated and shipped to the cooperatives much more cheaply than would be the case if cement poles were used.

Troubles Plague Work

However, all kinds of obstacles have prevented the immediate construction of the treatment plant in Phan Rang, a coastal town of 175 miles north of Saigon. After several delays in New Orleans, the pole-treating plant was shipped to Vietnam. Due to the priorities of military equipment and the carelessness of some Army dock workers, the treatment plant was unloaded on the beach, where it was submerged by the first high tide. Some of the equipment had been looted on the way, and salt water corroded the rest.

NRECA workers have been spending months trying to make the plant functional. If all goes well, it may be ready for operation later this year.

In the meantime, cooperative members are wondering why there is no electricity. To meet this growing need, an attempt is now being made to persuade the U. S. Army to lend some poles which were shipped from the United States.



Lacking electricity, mony Vietnamese like this woman must work with hond tools.

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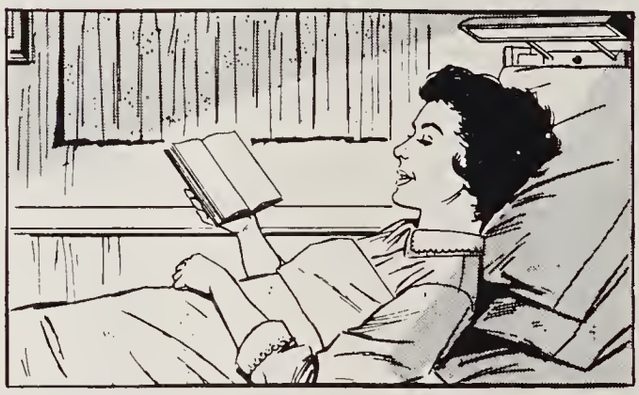
☐ Wall Lamps

☐ Over-Head



☐ Bed Lamp

The Carolina Homemaker
Edited By Rebekah Rivers

September days are back-to-school days for the youngsters in your family, and before the school year advances further, this is an excellent time to evaluate your children's study center. You may not be able to make homework any easier for the youngsters to swallow—but you can make it easier on their eyes

The right desk lamp in the right place protects young eyes from the discomfort of glare and from the annoyance of contrasts and shadows. The proper location of desk and a blotter on a highly-polished desk top are further aids to eye comfort.

The right desk lamp may be a table or wall model -- or a pair of wall lamps, provided there is a glass or plastic reflector bowl under the shade. This type of under-shade construction is described as particularly "easy-on-the-eyes" because it produces a combination of upward and downward light that reduces the eye-irritating difference in brightness between the desk top and the rest of the room. Downward illumination is "sifted" through the reflector bowl and becomes pleasant and glare-free.

Height of the lamp is equally important. Too short a lamp gives such a meager spread of light that part of the desk is virtually "in the dark." With too tall a lamp, the bottom of the shade is likely to be far above eye level, and the under-shade brightness will be uncomfortable. For a happy medium in height -- and this goes for either table or wall lamp -- the distance from the top of the desk to the bottom of the shade should be about 15 inches.

An open-top, light-lined shade is recommended. The open-top permits upward illumination into the room. A light lining increases the amount of reflected downward light by as much as 50 per cent.

To get the full money's worth of light from a well-chosen lamp, it should be placed on the side of the desk opposite the writing hand. Otherwise, shadows from pencil and writing hand rob the eyes of some of the light they need to see by, and dark, moving shadows on the writing page are distracting. A150-watt bulb provides the right amount of light.

A light-colored desk -- or a table -- with a dull finish is "tops" for comfortable seeing. When this isn't available, a white or light-colored desk blotter

serves to eliminate reflections from a highly-polished surface and to minimize the contrast between darkness of desk top and whiteness of reading and writing page.

Arranging the desk parallel with the wall increases the amount of light on the desk top if the wall is light in color. Otherwise, and especially when there is a "busy" pattern in wallpaper, it is wiser to place the desk at right angles to the wall. If the desk must face a dark wall or patterned wallpaper, a large tack board in a light color can be mounted on the wall. Don't place a desk facing a window.

Should you want a complete booklet on preparation of a proper study center, send 15 cents to: Lighting the Study Center, Carolina Farmer, P. O. Box 1699, Raleigh, N.C., 27602.

Fluorescent Lighting:

HOW WHITE IS LIGHT?

More than half the electric light used in this country is provided by fluorescent lamps. They are popular for both commercial and residential lighting because they are economical and produce more light at a lower cost.

They last longer than incandescent bulbs and operate at a cooler temperature. They're comfortable on the eyes, too, because they don't have the glaring brightness of incandescent bulbs.

Still, many people hesitate to install fluorescent lamps in their homes. The comment most often heard is, "They're fine for stores and workrooms, but I don't want such harsh light all around my house."

They needn't be harsh. Many people do not know that fluorescents are available in many different shades of white. Dealers often stock only "cool white" fluorescents and ignore the existence of other colors in order to reduce the inventory of tubes that must be kept in stock. ASK ABOUT OTHER WHITE SHADES AVAILABLE. Stick to your guns when you're told they don't exist and ask the dealer to get out the lamp catalogue and place a special order. It is well worth it to wait for a special order and to pay the few cents more per tube.

In most cases, WARM WHITE DELUXE will be the best color for the home. It gives a slightly pinkish light that creates a warm atmosphere and blends well with incandescent bulbs.

In a room where green and blue colors predominate, COOL WHITE DELUXE will be the best.

WARM WHITE DELUXE and COOL WHITE DELUXE are the colors most useful in the home.

WARM WHITE is an orange-white light that blends well with incandescent lighting, but it will make red and pink colors appear somewhat yellow. SOFT WHITE is a pink-white light used for emphasizing red and pink colors. COOL WHITE shows off crystal and silver but dulls warm colors and is not flattering to complexions.

WHITE and DAYLIGHT fluorescents are available but are almost never used in the home because they are dulling to warm colors and complexions.

LIGHTING FOR OUTDOOR LIVING

Lighting family and play areas can change your whole way of life in summer and early fall. As twilight comes and the mosquitoes begin to think about dinner, you don't have to go in, spending the rest of your day inside.

Instead, you relax reading or watching TV on the terrace. Cool and relaxed, you fix a feast for you and your friends on the outdoor grill and sit down under the trees to enjoy it while the stereo plays your favorite tunes. Gay party lights set a cheerful mood throughout dinner. In the lighted fish pond nearby, dark forms and silver flashes swim about.

After supper, your husband decides to adjust the carburetor on the family car, while you clear the dishes, and read a bit. The little ones swing slide 'til bedtime; the older ones play badminton or croquet.

An enjoyable outdoor evening, all with plenty of light . . . the kind that gives you plenty to play or work or relax or read by . . . the kind that won't attract mosquitoes. In fact, with another light you attract mosquitoes away from your outdoor living area.

Outdoor living is plain natural to North Carolina in the daytime. There's no reason why it can't be even better at night.

The above description sounds pretty posh, but it'll cost you a lot less than adding a small rumpus room to your house.

Wiring for sound and light for outdoor living and beauty is inexpensive and easy with underground wiring which your electrical contractor can supply.

Sports should be played under high flood lights which may be mounted on poles, or trees or the side of buildings.

Eating and relaxing areas can have low lights. There are many units made for post, walls, and tree use that are thoroughly weatherproof. Here, a combination of soft lighting with one or two bright lights for reading that can be cut off or on separately is needed.

Bugless outdoor living is accomplished by placing a bug-trap light away from the living area to draw the pesky varmints away and by using only yellow light outdoors. It should be remembered that your lights inside your home have a lot of blue light and just shining through the window attract a lot of mosquitoes. Turn them off or substitute yellow lights there, also.

Lighting flowers and shrubs and walkways can be accomplished by back lighting, high lighting, and leaving plenty of dark shaded areas for contrast. Low "mushroom" shaded lights along walk ways with eight or ten watt bulbs provide ample glare-free illumination.

For Landscape Lighting booklet, send 25 cents to Lighting, Carolina Homemaker, P. O. Box 1699, Raleigh, N.C., 27602.

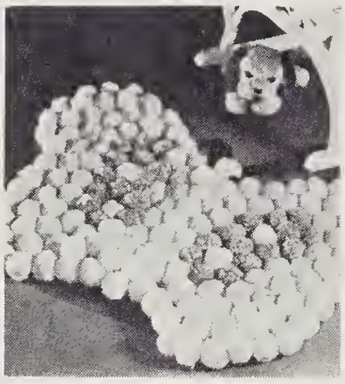
Free Patterns

Bird Cage Cover

A fanciful design of birds, butterflies and flowers is embroidered on fine cotton fabric.

Mistress Mary

"Cottage Garden" afghan inspired by nursery rhyme is made of knitting worsted.



Butterfly Rug

Use pink, rose and white yarn pompons stitched on felt backing for this child's gay rug.

Puppy Dog

Docile Maltese puppy meant to be cuddled by baby. Made of soft baby wool with luxurious coat.

To:
The Carolina Homemaker
P. O. Box 1699
Raleigh, North Carolina

This pattern offer expires November 15, 1967.

Please send me without charge the pattern instructions I have checked below. I am enclosing a long, stamped, self-addressed envelope.

- ☐ Bird Cage Cover
- ☐ Mistress Mary
- ☐ Butterfly Rug
- ☐ Puppy Dog

My Name is:_____

Address:_____

Comment, if Any:_____

_____

The Name of My Electric Co-op is:_____

Family FARE

By ERMA ANGEVINE

My first job with a co-op introduced me to one of the most stimulating persons I'll ever know. His name was Jim Cummins and he edited the COOPERATIVE CONSUMER.

Jim was an old Populist and a collector of stories, cartoons, letters, speeches, and poetry to reinforce his philosophy. He was a great believer in the value of the human personality —a true humanitarian.

Although he has been dead for many years, he lives on in the stories we remember his telling and the items he shared from his scrapbook. I think everyone who worked on the COOPERATIVE CONSUMER started a scrapbook—mostly from things Jim gave us.

One of his favorite Americans was Edward A. Filene, the Boston merchant who started the credit union movement in this country. He liked to recall Filene's belief that a store must not merely make a profit, but must also satisfy the human wants of its customers. More than that, Filene said, "Give the workers a buying, not a living, wage."

Jim started my scrapbook collection with this excerpt from a 1936 speech Filene made to the Synod of New York of the Presbyterian Church:

"It wasn't that business was opposed to the abolition of poverty. It was simply that the abolition of poverty seemed to be a humanitarian, not a business goal. It was a Sunday job; or a job, at least, to be undertaken after business hours. In business, it was supposed, people concentrated on getting what they could. On Sunday, or after business hours, one might give thought to giving what he could.

"In such a conflict between Sunday and the rest of the week, is it any wonder that Sunday got the worst of it?

"People often ask what happened to the American Sabbath. One answer is that it was greatly outnumbered.

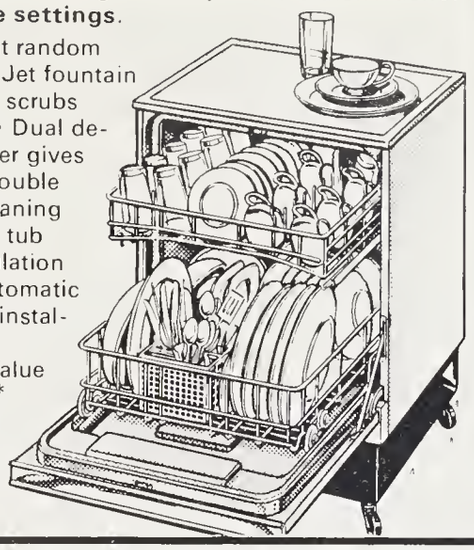
"Six days for acquisitiveness. One day for unselfish meditation.

"Six days for exploitation. One day for lisening to the church's teaching concerning the will of Almighty God.

"Six days for an individual, competitive, dog-eat-dog struggle for survival. One day for remembering that we are all bretheren, and that the only true principles upon which human life can be effectively organized are the principles of human brotherhood and sympathetic helpfulness."

New Hotpoint "No-Frost 17" refrigerator-freezer on wheels.
16.7 cu. ft. big and fits any kitchen • Rolls out on wheels for easy cleaning • 12.7 cu. ft. No-Frost refrigerator and 139 lb. freezer • Slide-out shelves • Porcelain-on-steel interior walls • Twin slide-out crispers • Removable egg racks. Model CTF217. Sale priced at $298.*

New Hotpoint "Swing Door" portable dishwasher holds 15 place settings.
Easy convenient random loading racks • Jet fountain washing action scrubs dishes cleaner • Dual detergent dispenser gives pre-rinse and double wash • Self-cleaning porcelain finish tub • Water Recirculation Filter • Fully automatic • Portable—no installation required. Model DF10. Value priced at $169.*



New Hotpoint washer with automatic bleach fountain.

Adds bleach to wash water at the right time—diluted 10-1.

This Hotpoint washer has a rinse cycle that gets clothes cleaner because it rinses up to 2 to 3 times longer than other brands. Other Hotpoint features: Special settings for permanent press fabrics • Two-speed flexibility • Special soak cycle for excessively soiled clothes • 3 fountain filter wash cycles • 5 wash/rinse temperatures • 3 water level selections • All porcelain finish inside and out. Model LW880. **As little as $2.40 a week.****

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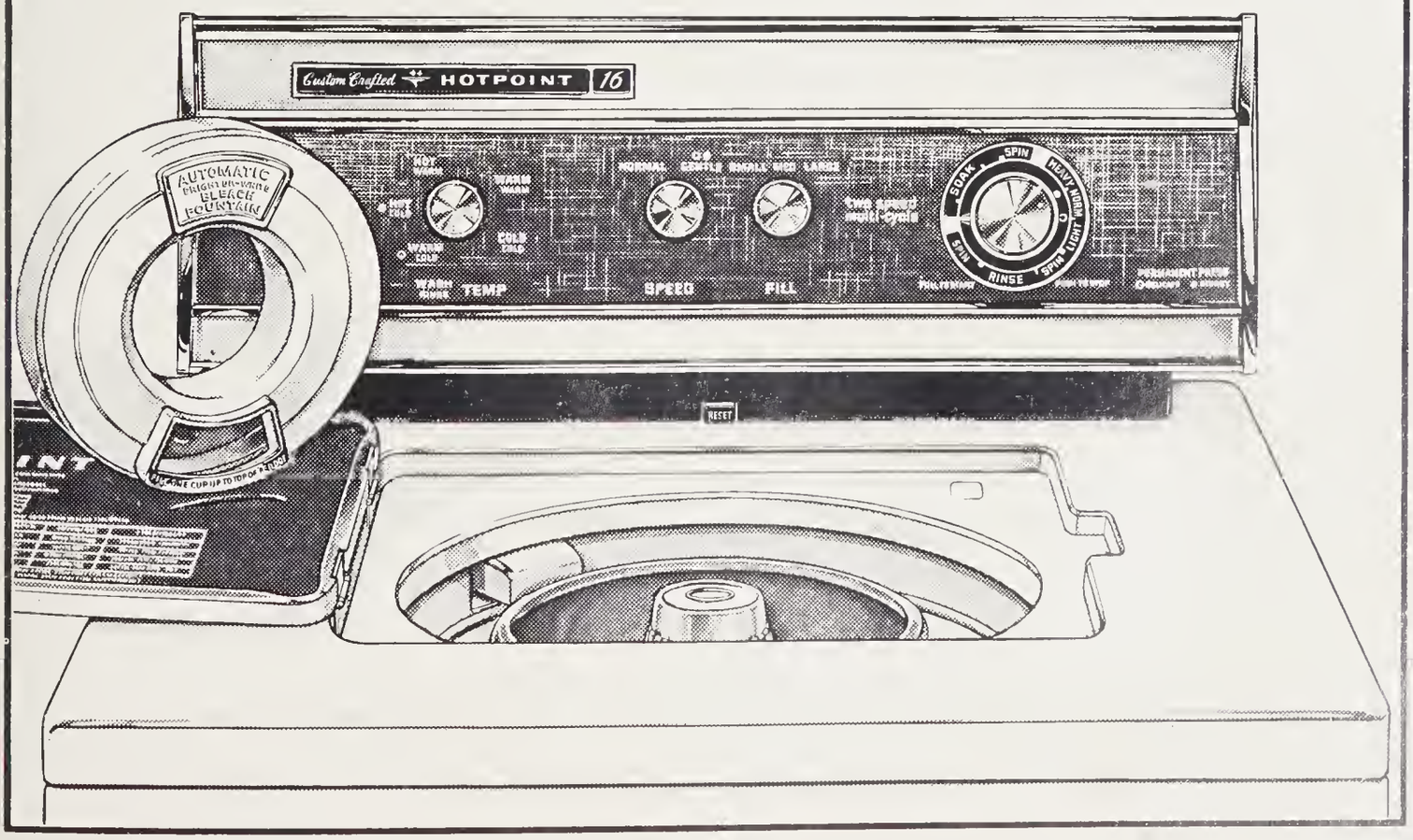

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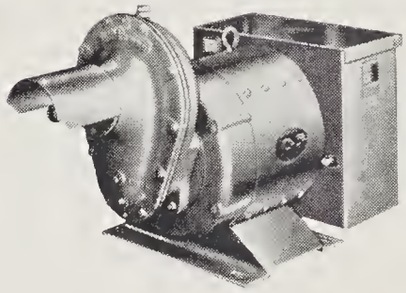

Forget about costly electric power interruptions! Lease or buy a portable Winpower tractor-driven alternator. Emergency power from your tractor PTO for feeding system, milking, lights, water pumps, other needs. Wide range of sizes: low-cost 6 KW units to giant 40/60 KW for big farmers. Winpower units start motors faster and easier, far ahead of many competitive units with higher kilowatt ratings. Reliability proved by thousands of farmers. World's largest, most experienced maker of tractor driven generators.

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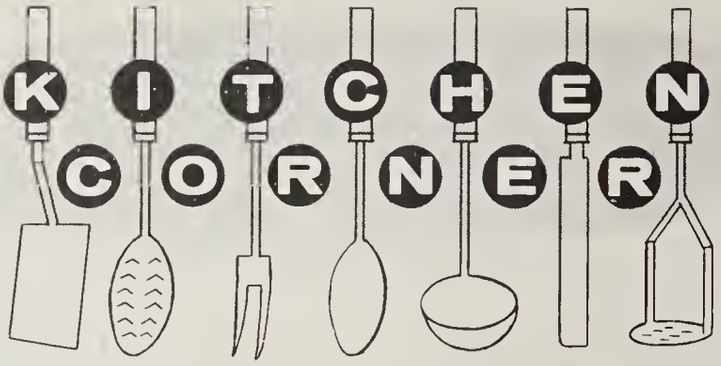


RHUBARB PIE

We may live without poetry, music and art;
We may live without conscience and live without heart;
We may live without friends; we may live without books;
But civilized man cannot live without cooks.

"The Wanderer in Holland"
Jacqueline

It would be especially hard for us to live without experienced cooks like our cook of the month, Mrs. Roy Lee Church, Sr. Mrs. Church is the mother of 10 children, three of whom are married, and she has two grandchildren. She writes, "blessed as they are, they have always enjoyed eating. They really go for the rhubarb pie recipe that I am sending you. I hope you will try it. It has a sweet, tangy taste, which my family just loves."

The Churches live on a 13 1/2 acre farm in a small community east of Lexington at Holly Grove and are members of Davidson EMC. Mrs. Church is a member of the Holly Grove Firettes at the Holly Grove Rural Fire Department; and she enjoys cooking, sewing and gardening.

She writes that her mother used this recipe before her and hopes you all will sample it. The nice comments of her friends and family were all the proof that *we* needed to publish it in our "Corner" this month.

If you have a favorite recipe you'd like to share through this column, send it to: Sharon Carver, Kitchen Corner, P. O. Box 1699, Raleigh. Tell us something about yourself and family and give us the name of your electric membership corporation. We pay $2 for the recipe chosen monthly for this column.

CAROLINA FARMER RECIPE

Submitted by Mrs. Roy Lee Church, Sr., Route 1, Box 198, Lexington

RHUBARB PIE

2 cups rhubarb
3/4 cup sugar
2 tablespoons flour
Salt and nutmeg to taste
1 egg, slightly beaten

If rhubarb is young and tender, it need not be peeled. (Otherwise, scald and peel before cutting.) Cut into ½ inch pieces before measuring. Mix together flour, egg, sugar, salt and nutmeg. Add rhubard and blend well. Place in unbaked pie crust and bake at 350°, until it becomes thick and begins to brown. You don't need a top crust.

Becky's ALMANAC

Have you ever seen parents break the most elementary rules of manners and good taste, while bemoaning the lack of elegance in their children?

Or heard the elder in your church (who wouldn't dare steal from the coffers) brag about cheating his own government on his income tax return?

One wonders at the conflicts such confusing standards of ethics and courtesy must present to an adolescent. Therefore, I was much taken by a brief editorial prepared by the Member Services Department of the National Rural Electric Cooperative Association, and decided to share it with you:

EVERYBODY DOES IT!

When Johnny was six years old, he was with his father when they were caught speeding. His father handed the officer a five dollar bill with his driver's license. "It's O. K., son," his father said as they drove off. "Everybody does it." When he was eight he was instructed at a family council, presided over by Uncle George, on the surest means to shave points off the income tax return. "Everybody does it."

When he was nine, his mother took him to his first theatre production. The box office man couldn't find any seats until his mother discovered an extra two dollars in her purse. "Everybody does it."

When he was 16, he took his first summer job at the big market. His assignment was to put the overripe tomatoes in the bottom of the boxes and the good ones on the top where they would show. "It's O. K., everybody does it."

When he was 18, Johnny and his neighbor applied for a college scholarship. Johnny was a marginal student. His neighbor was in the upper three per cent of his class but he couldn't play right guard. Johnny got the scholarship. "It's O. K., everybody does it."

When he was 19, he was approached by an upper classman who offered the test answers for three dollars. "It's O. K., everybody does it."

Johnny was caught and sent home in disgrace. "How could you do this to your mother and me?" his father asked. "You never learned anything like this at home." His aunt and uncle were also shocked.

If there's one thing the adult world can't stand, it's a kid who cheats.

FASHION FAVORITES

Pattern No. 4723 is cut in sizes 2, 4, 6, and 8.

Pattern No. 9496 is cut in sizes 6, 8, 10, 12 and 14.

Pattern No. 4615 is cut in sizes 9, 11, 13, 15 and 17.

Pattern No. 9099 is cut in sizes 12½, 14½, 16½, 18½, 20½, 22½ and 24½.

Pattern No. 9278 is cut in sizes 12½, 14½, 16½, 18½, 20½, 22½, 24½ and 26½.

Pattern No. 9255 is cut in sizes 34, 36, 38, 40, 42, 44, 46 and 48.

Send 50 cents in coin (no stamps) for each pattern to: CAROLINA FARMER, Box 42, Old Chelsea Station, New York, N.Y. 10011. For first-class mail, add 15 cents for each pattern.

"What Do Teens Think Of The Mini Skirt?"

"I thoroughly disapprove of the mini skirt. Not only is the mini skirt unfair but it is also unfeminine. Why unfair? Because approximately one of every ten girls has slender, well-shaped legs (which are the qualifications for mini skirt wearers.) Yet these other nine chubby-legged, style-conscious girls feel they must wear the the latest in fashion to be "in." It is unfair that the minority should rule. Unfeminine? Yes! Girls are losing much of their allure and appeal because they are leaving little for the man's imagination. And what is romantic about an eighteen-inch wide yard of cloth unartistically hung about the hips? Womanhood with its feminity is a great institution, but when I think of the invasion of the mini skirt, I am reminded of another great 'institution'—that of the Roman Empire—and its fall."

Amy Bowman
Rt. 1, Box 206-D
Morganton

Amy is 18 years old and a recent graduate of Salem High School. She plans to attend college this fall. Her hobbies are reading, writing, and art. Her parents, Mr. and Mrs. Earl L. Bowman, Jr., are served by the Burke-McDowell Electric Membership Corporation.

★ ★ ★

"I think the mini skirt is an extreme. I think people can carry things too far, and the mini skirt is a good example of this. There is really no place to wear a mini skirt; they are too short for everyday or formal events. And the truth of the matter is that not too many girls look presentable in a mini skirt. I think it is a waste of money to buy them and a waste of time to make them."

Jennie Perry
Rt. 3, Box 50
Wake Forest

Jennie is 16 years old and a junior at Du Bois School. She enjoys sewing and reading. She and her family are served by the Wake Electric Membership Corporation.

★ ★ ★

"As a boy, I would like to say that the mini skirt looks just gorgeous on some girls and suits them just fine. But some others should be ashamed to be seen in public wearing a mini skirt. I think that for the most part the girl who really wants to be respected will stay out of a mini skirt, unless she is going to slop around the house in it."

Jerome Gary
Rt. 3, Box 52-A
Enfield

Jerome is 14 years old and will be a sophomore this fall at T. S. Inborden School. He enjoys drawing, singing, and reading. His parents, Mr. and Mrs. Herman Gary, are served by the Halifax Electric Membership Corporation.

★ ★ ★

"The mini-skirt is just a fad like the well-known flapper style in the mad, glorious Twenties. Before you know it, the mini skirts will be passe, too. In England the fashion magazines state that the fad next year will place hems several inches *below* the knee! Of course, the mini skirts are cute, but I think most teen-agers like to wear the more respectable looking clothes to school or church."

Vickie Jo Martin
Rt. 2, Box 399
Mt. Airy

Vickie Jo is 13 years old and will be enrolled in the eighth grade this fall at Westfield School. Her parents, Mr. and Mrs. Curties L. Martin, are served by the Surry-Yadkin Electric Membership Corporation.

Teen ROUNDTABLE

If you have a good answer, send it to THE TEEN ROUNDTABLE, The Carolina Farmer, P. O. Box 1699, Raleigh, N. C., at once. Send a photo, too, if you have one, (we can't return it) and a few facts about yourself. Include your parents' name, and the name of the electric membership corporation serving you. If your answer is published, we will send you $5.

If you want to submit a question, send it along for our statewide panel to answer. For each question used, the sender will get a $5 check. Jot yours down and send it to us right away.

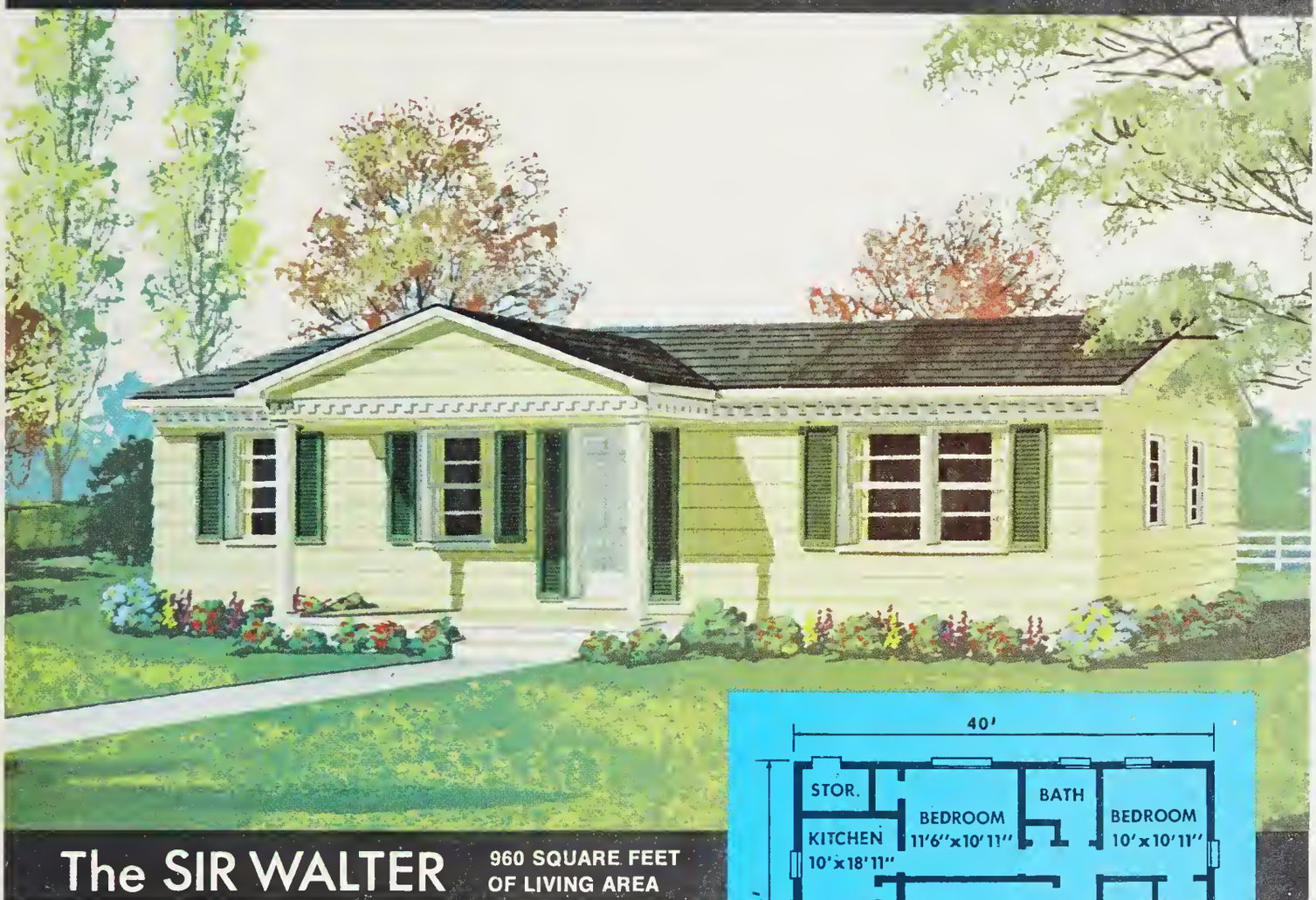
NEXT QUESTION

"How can a teen keep his best friend from dropping out of school?"

This question was submitted by Cynthia Coltrane, who will be receiving $5 from THE CAROLINA FARMER. Cynthia is 13 years old and will be in the eighth grade this fall. She enjoys reading and swimming. Her parents, Mr. and Mrs. Clyde Coltrane, are served by the Randolph Electric Membership Corporation.

WHY RENT ?

WHEN CAROLINA MODEL HOMES WILL BUILD THIS THREE BEDROOM BASIC HOUSE ON YOUR LOT FOR AS LITTLE AS $67.16 A MONTH.*



The SIR WALTER

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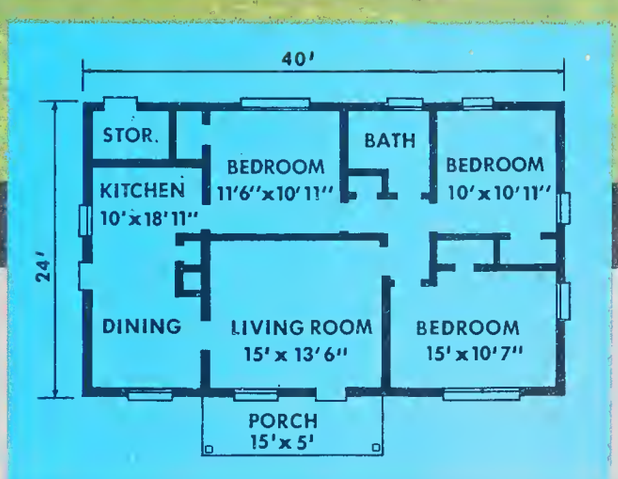

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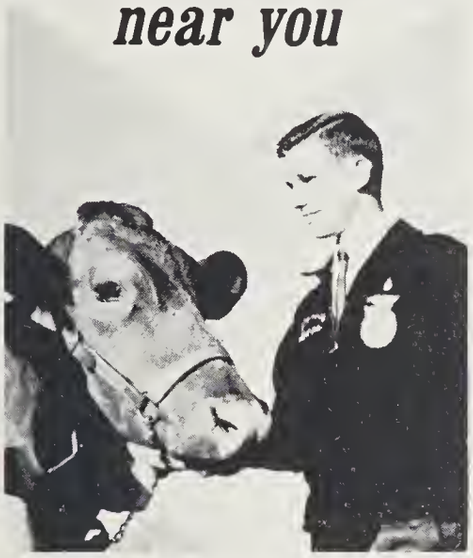

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...all in the family

New Faces in The Carolina Farmer Family

Two new faces have joined the family circle of *The Carolina Farmer.*

The first was Jane Anderson of Winterville, a 1967 graduate of Duke University, who now is working in the TEMA office as a member of *The Carolina Farmer* staff. She is substituting as editorial assistant while Brenda Lewis is on maternity leave. Mrs. Lewis expects to resume her duties Oct. 15.

The newest comer is a hearty young man named Charles Eugene Lewis Jr. He was born July 28 to Brenda and her husband Gene and weighed in at seven pounds, ten ounces.

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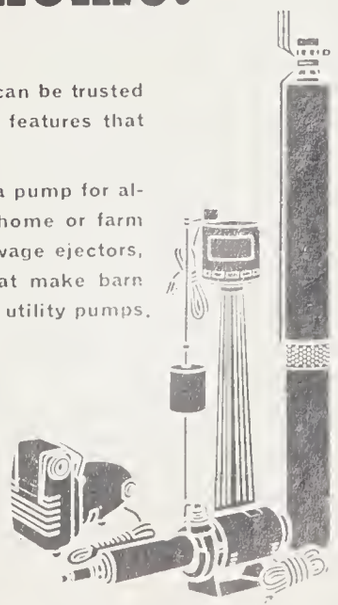

BARNES MEANS PUMPS

Good Example

A boy asked his father how wars started.

"Well," said Dad, "suppose America quarreled with England and—"

"But," interrupted the mother, "America must never quarrel with England."

"I know," said the father, "But I'm only taking a hypothetical instance."

"You are misleading the child," protested the mother.

"I am not!" shouted the father.

"Never mind," put in the boy. "I think I know how wars start."

"When's Halloween?"

Decision

A solicitor knocked at the door, and a small boy answered it.

"I'd like to speak to the head of the house," he informed him.

Just then loud voices were heard coming from the rear of the house.

"Stick around awhile," said the boy. "They're deciding now who the head is!"

Cornered

After studying her son's latest examination results the mother told him he showed every sign of becoming a complete moron.

The boy nodded agreement. "What", he asked, "do you attribute it to—heredity or environment?"

HaLE!

About Time

When a 16-year-old boy showed up at a neighborhood barbershop and ordered his moptop cut down to a flattop, the barber naturally was curious and asked about the change.

"Well, it's like this," the boy explained sheepishly. "Yesterday was my sixteenth birthday, and Mom and Dad gave me a dress for my present."

It Figures

Two matronly women, marooned on a desert island for three weeks, finally sighted a passing ship. "Don't wave at it," one of them said. "Let's stay here until we lose ten more pounds."

No Competition

Farmer, looking at decrepit horse: "Tell me what on earth you are going to do with that horse?"

Cocky sportsman: "I'm going to race him."

Farmer: "You'll win."

Encouraged

Driving up to the house to deliver the family's seventh baby, the doctor almost ran over a duck.

"Is that your duck out there?" he asked.

"It's ours," he was told, "but it ain't no duck. It's a stork with his legs worn down."

"You can be replaced by an electronic brain, you know."

"But how can I scrimp and save when I have to scrimp to spend?"

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AROUND THE HOUSE *by Archie Hathcock*

Families Need Plenty of Hot Water

The typical rural family uses at least 30 per cent more hot water during the summer months. Its members bathe and shower more often. Because doors and windows are open most of the time, the house needs more frequent cleaning, too.

Does your family always have hot water when it's needed--or do you have to ration it among bathers, dishwashing, laundering or housecleaning at certain times of the day or on certain days of the week? Many families put up with the inconvenience of rationing for years, mainly because it doesn't occur to them to replace the heater. It's still working perfectly well, isn't it? The fact is, however, that a well-functioning heater is "obsolete" if the family's water needs have outgrown its capacity.

Just a few years ago, the average water heater being installed was 20 or 30-gallon. Today it's at least 40, to keep pace with the family's increased water usage. Americans are using about 60 per cent more water today than they did 10 years ago. It's predicted that the present use will double in the next five years, so a family buying a heater today would be wise to get one big enough to handle the anticipated increase as well as its present needs.

Tank capacity isn't the only factor in the heater's output. The best quality is the fast-recovery type, which refers to the rate at which hot water is replenished as it's being used. Since your water heater is just about your hardest working appliance, it's wise to buy a top-quality product.

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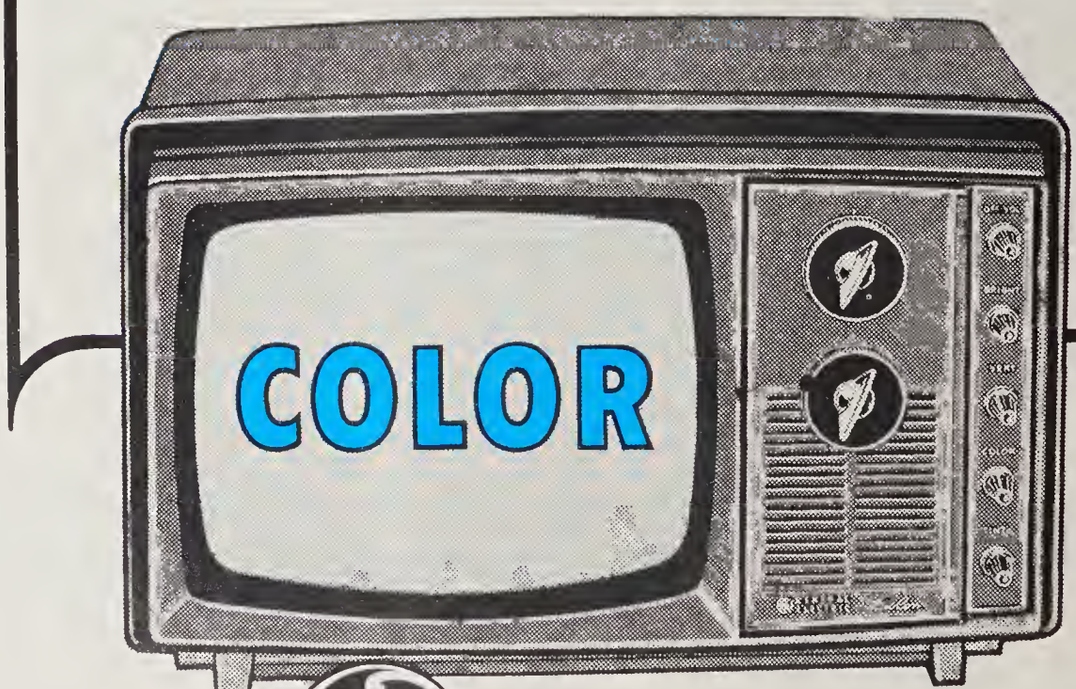

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